

WHAT IS CLAIMED IS:

1 1. A monitoring device comprising:

2 a mobile telephone having a radio transmit/receive  
3 function;

4 an operation detection unit operable to detect a key  
5 input operation by a user; and

6 a transmission control unit operable, when a preset  
7 period has elapsed since the key input operation was last  
8 detected, to have the mobile telephone transmit an emergency  
9 notification message to a predetermined address.

1 2. The monitoring device of claim 1, wherein

2 the transmission control unit has the mobile telephone  
3 transmit the emergency notification message when the preset  
4 period has elapsed since the key input operation was last  
5 detected, only within a preset timeslot.

1 3. The monitoring device of claim 2 further comprising:

2 a position information acquisition unit operable to  
3 acquire position information showing a current position of  
4 the monitoring device; and

5 a position-shift judgment unit operable to judge  
6 whether the position of the monitoring device has shifted,  
7 based on the acquired position information, wherein

8       the transmission control unit has the mobile telephone  
9       transmit the emergency notification message to the  
10      predetermined address, only when the position has not  
11      shifted.

1   4. The monitoring device of claim 3 further comprising:

2       a warning generation unit operable, when the preset  
3      period has elapsed, to emit a warning indicating that the  
4      preset period has elapsed, wherein

5       the transmission control unit has the mobile telephone  
6      transmit the emergency notification message to the  
7      predetermined address, only when the key input operation is  
8      not detected within a predetermined period after the warning  
9      is emitted.

1   5. The monitoring device of claim 4 further comprising:

2       a time clocking unit operable to clock time;

3       an operation history recording unit operable to record  
4      operation history information on a recording medium whenever  
5      the key input operation by the user is detected, the operation  
6      history information including a content of the detected key  
7      input operation and a detection time clocked by the time  
8      clocking unit;

9       a call reception unit operable to receive a call request

10 message from another communication terminal; and  
11 a judgment unit operable to judge whether the received  
12 call request message includes an acquisition request  
13 identification code showing the call request message to be  
14 an acquisition request for operation history information,  
15 wherein

16 the transmission control unit has the mobile telephone  
17 transmit the operation history information recorded on the  
18 recording medium to the other communication terminal if the  
19 acquisition request identification code is included.

1 6. The monitoring device of claim 5 further comprising:

2 a ringer operable to sound off when the call request  
3 message is received; and

4 an inhibiting unit operable to inhibit the sounding off  
5 of the ringer when the acquisition request identification  
6 code is included in the received call request message.

1 7. The monitoring device of claim 3 further comprising:

2 a position judgment unit operable to judge whether the  
3 position shown by the acquired position information is within  
4 a predetermined range, wherein

5 the position-shift judgment unit judges whether the  
6 position of the monitoring device has shifted, based on the

7 acquired position information, only when the position shown  
8 by the acquired position information is outside the  
9 predetermined range.

1 8. The monitoring device of claim 7 further comprising:

2 a warning generation unit operable, when the preset  
3 period has elapsed, to emit a warning indicating that the  
4 preset period has elapsed, wherein

5 the transmission control unit has the mobile telephone  
6 transmit the emergency notification message to the  
7 predetermined address, only when the key input operation is  
8 not detected within a predetermined period after the warning  
9 is emitted.

1 9. The monitoring device of claim 7 further comprising:

2 a time clocking unit operable to clock time;

3 an operation history recording unit operable to record  
4 operation history information on a recording medium whenever  
5 the key input operation by the user is detected, the operation  
6 history information including a content of the detected key  
7 input operation and a detection time clocked by the time  
8 clocking unit;

9 a call reception unit operable to receive a call request  
10 message from another communication terminal; and

11       a judgment unit operable to judge whether the received  
12 call request message includes an acquisition request  
13 identification code showing the call request message to be  
14 an acquisition request for operation history information,  
15 wherein

16       the transmission control unit has the mobile telephone  
17 transmit the operation history information recorded on the  
18 recording medium to the other communication terminal if the  
19 acquisition request identification code is included.

1   10. The monitoring device of claim 8 further comprising:

2       a time clocking unit operable to clock time;

3       an operation history recording unit operable to record  
4 operation history information on a recording medium whenever  
5 the key input operation by the user is detected, the operation  
6 history information including a content of the detected key  
7 input operation and a detection time clocked by the time  
8 clocking unit;

9       a call reception unit operable to receive a call request  
10 message from another communication terminal; and

11       a judgment unit operable to judge whether the received  
12 call request message includes an acquisition request  
13 identification code showing the call request message to be  
14 an acquisition request for operation history information,

15 wherein

16 the transmission control unit has the mobile telephone  
17 transmit the operation history information recorded on the  
18 recording medium to the other communication terminal if the  
19 acquisition request identification code is included.

1 11. The monitoring device of claim 9 further comprising:

2 a ringer operable to sound off when the call request  
3 message is received; and

4 an inhibiting unit operable to inhibit the sounding off  
5 of the ringer when the acquisition request identification  
6 code is included in the received call request message.

1 12. The monitoring device of claim 10 further comprising:

2 a ringer operable to sound off when the call request  
3 message is received; and

4 an inhibiting unit operable to inhibit the sounding off  
5 of the ringer when the acquisition request identification  
6 code is included in the received call request message.

1 13. The monitoring device of claim 1 further comprising:

2 a position information acquisition unit operable to  
3 acquire position information showing a current position of  
4 the monitoring device; and

5           a position-shift judgment unit operable to judge  
6 whether the position of the monitoring device has shifted,  
7 based on the acquired position information, wherein  
8           the transmission control unit has the mobile telephone  
9 transmit the emergency notification message to the  
10 predetermined address, only when the position has not  
11 shifted.

1 14. The monitoring device of claim 1 further comprising:

2           a warning generation unit operable, when the preset  
3 period has elapsed, to emit a warning indicating that the  
4 preset period has elapsed, wherein

5           the transmission control unit has the mobile telephone  
6 transmit the emergency notification message to the  
7 predetermined address, only when the key input operation is  
8 not detected within a predetermined period after the warning  
9 is emitted.

1 15. The monitoring device of claim 2 further comprising:

2           a warning generation unit operable, when the preset  
3 period has elapsed, to emit a warning indicating that the  
4 preset period has elapsed, wherein

5           the transmission control unit has the mobile telephone  
6 transmit the emergency notification message to the

7 predetermined address, only when the key input operation is  
8 not detected within a predetermined period after the warning  
9 is emitted.

1 16. The monitoring device of claim 1 further comprising:

2 a time clocking unit operable to clock time;

3 an operation history recording unit operable to record

4 operation history information on a recording medium whenever

5 the key input operation by the user is detected, the operation

6 history information including a content of the detected key

7 input operation and a detection time clocked by the time

8 clocking unit;

9 a call reception unit operable to receive a call request

10 message from another communication terminal; and

11 a judgment unit operable to judge whether the received

12 call request message includes an acquisition request

13 identification code showing the call request message to be

14 an acquisition request for operation history information,

15 wherein

16 the transmission control unit has the mobile telephone

17 transmit the operation history information recorded on the

18 recording medium to the other communication terminal if the

19 acquisition request identification code is included.



1 17. The monitoring device of claim 2 further comprising:  
2 a time clocking unit operable to clock time;  
3 an operation history recording unit operable to record  
4 operation history information on a recording medium whenever  
5 the key input operation by the user is detected, the operation  
6 history information including a content of the detected key  
7 input operation and a detection time clocked by the time  
8 clocking unit;  
9 a call reception unit operable to receive a call request  
10 message from another communication terminal; and  
11 a judgment unit operable to judge whether the received  
12 call request message includes an acquisition request  
13 identification code showing the call request message to be  
14 an acquisition request for operation history information,  
15 wherein  
16 the transmission control unit has the mobile telephone  
17 transmit the operation history information recorded on the  
18 recording medium to the other communication terminal if the  
19 acquisition request identification code is included.

1 18. The monitoring device of claim 3 further comprising:  
2 a time clocking unit operable to clock time;  
3 an operation history recording unit operable to record  
4 operation history information on a recording medium whenever

5 the key input operation by the user is detected, the operation  
6 history information including a content of the detected key  
7 input operation and a detection time clocked by the time  
8 clocking unit;

9 a call reception unit operable to receive a call request  
10 message from another communication terminal; and

11 a judgment unit operable to judge whether the received  
12 call request message includes an acquisition request  
13 identification code showing the call request message to be  
14 an acquisition request for operation history information,  
15 wherein

16 the transmission control unit has the mobile telephone  
17 transmit the operation history information recorded on the  
18 recording medium to the other communication terminal if the  
19 acquisition request identification code is included.

1 19. A monitoring method in a monitoring device that includes  
2 a mobile telephone having a radio transmit/receive function,  
3 comprising the steps of:

4 detecting a key input operation by a user; and

5 having the mobile telephone transmit an emergency  
6 notification message to a predetermined address, when a  
7 preset period has elapsed since the key input operation was  
8 last detected.